

		His CAT	His CAC	Gln CAA	Gln CAG	Arg CGT	Arg CGC	Arg CGA	Arg CGG	Ile ATT	Ile ATC	Ile ATA	Met ATG
Phe	TTT	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0	0
Phe	TTC	0	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0
Leu	TTA	0	0	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0
Leu	TTG	0	0	0	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$
Ser	TCT	0	0	0	0	0	0	0	0	0	0	0	0
Ser	TCC	0	0	0	0	0	0	0	0	0	0	0	0
Ser	TCA	0	0	0	0	0	0	0	0	0	0	0	0
Ser	TCG	0	0	0	0	0	0	0	0	0	0	0	0
Tyr	TAT	$\pi_C\kappa\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Tyr	TAC	0	$\pi_C\kappa\beta\omega$	0	0	0	0	0	0	0	0	0	0
Cys	TGT	0	0	0	0	$\pi_C\kappa\beta\omega$	0	0	0	0	0	0	0
Cys	TGC	0	0	0	0	0	$\pi_C\kappa\beta\omega$	0	0	0	0	0	0
Trp	TGG	0	0	0	0	0	0	0	$\pi_C\kappa\beta\omega$	0	0	0	0
Leu	CTT	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0	0
Leu	CTC	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0
Leu	CTA	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	$\pi_A\beta\omega$	0
Leu	CTG	0	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	$\pi_A\beta\omega$
Pro	CCT	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0
Pro	CCC	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0
Pro	CCA	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0
Pro	CCG	0	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0	0
His	CAT	—	$\pi_C\kappa\beta$	$\pi_A\beta\omega$	$\pi_G\beta\omega$	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0	0
His	CAC	$\pi_T\kappa\beta$	—	$\pi_A\beta\omega$	$\pi_G\beta\omega$	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0
Gln	CAA	$\pi_T\beta\omega$	$\pi_C\beta\omega$	—	$\pi_G\kappa\beta$	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0
Gln	CAG	$\pi_T\beta\omega$	$\pi_C\beta\omega$	$\pi_A\kappa\beta$	—	0	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0
Arg	CGT	$\pi_A\kappa\beta\omega$	0	0	0	—	$\pi_C\kappa\beta$	$\pi_A\beta$	$\pi_G\beta$	0	0	0	0
Arg	CGC	0	$\pi_A\kappa\beta\omega$	0	0	$\pi_T\kappa\beta$	—	$\pi_A\beta$	$\pi_G\beta$	0	0	0	0
Arg	CGA	0	0	$\pi_A\kappa\beta\omega$	0	$\pi_T\beta$	$\pi_C\beta$	—	$\pi_G\kappa\beta$	0	0	0	0
Arg	CGG	0	0	0	$\pi_A\kappa\beta\omega$	$\pi_T\beta$	$\pi_C\beta$	$\pi_A\kappa\beta$	—	0	0	0	0
Ile	ATT	0	0	0	0	0	0	0	0	—	$\pi_C\kappa\beta$	$\pi_A\beta$	$\pi_G\beta\omega$
Ile	ATC	0	0	0	0	0	0	0	0	$\pi_T\kappa\beta$	—	$\pi_A\beta$	$\pi_G\beta\omega$
Ile	ATA	0	0	0	0	0	0	0	0	$\pi_T\beta$	$\pi_C\beta$	—	$\pi_G\kappa\beta\omega$
Met	ATG	0	0	0	0	0	0	0	0	$\pi_T\beta\omega$	$\pi_C\beta\omega$	$\pi_A\kappa\beta\omega$	—
Thr	ACT	0	0	0	0	0	0	0	0	$\pi_T\kappa\beta\omega$	0	0	0
Thr	ACC	0	0	0	0	0	0	0	0	0	$\pi_T\kappa\beta\omega$	0	0
Thr	ACA	0	0	0	0	0	0	0	0	0	0	$\pi_T\kappa\beta\omega$	0
Thr	ACG	0	0	0	0	0	0	0	0	0	0	0	$\pi_T\kappa\beta\omega$
Asn	AAT	$\pi_C\beta\omega$	0	0	0	0	0	0	0	$\pi_T\beta\omega$	0	0	0
Asn	AAC	0	$\pi_C\beta\omega$	0	0	0	0	0	0	0	$\pi_T\beta\omega$	0	0
Lys	AAA	0	0	$\pi_C\beta\omega$	0	0	0	0	0	0	0	$\pi_T\beta\omega$	0
Lys	AAG	0	0	0	$\pi_C\beta\omega$	0	0	0	0	0	0	0	$\pi_T\beta\omega$
Ala	AGT	0	0	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_T\beta\omega$	0	0	0
Ala	AGC	0	0	0	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_T\beta\omega$	0	0
Arg	AGA	0	0	0	0	0	0	$\pi_C\beta$	0	0	0	$\pi_T\beta\omega$	0
Arg	AGG	0	0	0	0	0	0	0	$\pi_C\beta$	0	0	0	$\pi_T\beta\omega$
Val	GTT	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0
Val	GTC	0	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0
Val	GTA	0	0	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0
Val	GTG	0	0	0	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$
Ala	GCT	0	0	0	0	0	0	0	0	0	0	0	0
Ala	GCC	0	0	0	0	0	0	0	0	0	0	0	0
Ala	GCA	0	0	0	0	0	0	0	0	0	0	0	0
Ala	GCG	0	0	0	0	0	0	0	0	0	0	0	0
Asp	GAT	$\pi_C\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Asp	GAC	0	$\pi_C\beta\omega$	0	0	0	0	0	0	0	0	0	0
Glu	GAA	0	0	$\pi_C\beta\omega$	0	0	0	0	0	0	0	0	0
Glu	GAG	0	0	0	$\pi_C\beta\omega$	0	0	0	0	0	0	0	0
Gly	GGT	0	0	0	0	$\pi_C\beta\omega$	0	0	0	0	0	0	0
Gly	GGC	0	0	0	0	0	$\pi_C\beta\omega$	0	0	0	0	0	0
Gly	GGA	0	0	0	0	0	0	$\pi_C\beta\omega$	0	0	0	0	0
Gly	GGG	0	0	0	0	0	0	0	$\pi_C\beta\omega$	0	0	0	0

		Thr ACT	Thr ACC	Thr ACA	Thr ACG	Asn AAT	Asn AAC	Lys AAA	Lys AAG	Ala AGT	Ala AGC	Arg AGA	Arg AGG
Phe	TTT	0	0	0	0	0	0	0	0	0	0	0	0
Phe	TTC	0	0	0	0	0	0	0	0	0	0	0	0
Leu	TTA	0	0	0	0	0	0	0	0	0	0	0	0
Leu	TTG	0	0	0	0	0	0	0	0	0	0	0	0
Ser	TCT	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Ser	TCC	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0	0	0
Ser	TCA	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0	0
Ser	TCG	0	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0
Tyr	TAT	0	0	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0
Tyr	TAC	0	0	0	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0
Cys	TGT	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0	0
Cys	TGC	0	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0
Trp	TGG	0	0	0	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$
Leu	CTT	0	0	0	0	0	0	0	0	0	0	0	0
Leu	CTC	0	0	0	0	0	0	0	0	0	0	0	0
Leu	CTA	0	0	0	0	0	0	0	0	0	0	0	0
Leu	CTG	0	0	0	0	0	0	0	0	0	0	0	0
Pro	CCT	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Pro	CCC	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0	0	0
Pro	CCA	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0	0
Pro	CCG	0	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0	0
His	CAT	0	0	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0	0
His	CAC	0	0	0	0	0	$\pi_A\beta\omega$	0	0	0	0	0	0
Gln	CAA	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0	0	0	0
Gln	CAG	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0	0	0
Arg	CGT	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0	0
Arg	CGC	0	0	0	0	0	0	0	0	0	$\pi_A\beta\omega$	0	0
Arg	CGA	0	0	0	0	0	0	0	0	0	0	$\pi_A\beta$	0
Arg	CGG	0	0	0	0	0	0	0	0	0	0	0	$\pi_A\beta$
Ile	ATT	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0
Ile	ATC	0	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0
Ile	ATA	0	0	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0
Met	ATG	0	0	0	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$
Thr	ACT	—	$\pi_C\kappa\beta$	$\pi_A\beta$	$\pi_G\beta$	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0	0
Thr	ACC	$\pi_T\kappa\beta$	—	$\pi_A\beta$	$\pi_G\beta$	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0	0
Thr	ACA	$\pi_T\beta$	$\pi_C\beta$	—	$\pi_G\kappa\beta$	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$	0
Thr	ACG	$\pi_T\beta$	$\pi_C\beta$	$\pi_A\kappa\beta$	—	0	0	0	$\pi_A\beta\omega$	0	0	0	$\pi_G\beta\omega$
Asn	AAT	$\pi_C\beta\omega$	0	0	0	—	$\pi_C\kappa\beta$	$\pi_A\beta\omega$	$\pi_G\beta\omega$	$\pi_G\kappa\beta\omega$	0	0	0
Asn	AAC	0	$\pi_C\beta\omega$	0	0	$\pi_T\kappa\beta$	—	$\pi_A\beta\omega$	$\pi_G\beta\omega$	0	$\pi_G\kappa\beta\omega$	0	0
Lys	AAA	0	0	$\pi_C\beta\omega$	0	$\pi_T\beta\omega$	$\pi_C\beta\omega$	—	$\pi_G\kappa\beta$	0	0	$\pi_G\kappa\beta\omega$	0
Lys	AAG	0	0	0	$\pi_C\beta\omega$	$\pi_T\beta\omega$	$\pi_C\beta\omega$	$\pi_A\kappa\beta$	—	0	0	0	$\pi_G\kappa\beta\omega$
Ala	AGT	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0	—	$\pi_C\kappa\beta$	$\pi_A\beta\omega$	$\pi_G\beta\omega$
Ala	AGC	0	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$	0	0	$\pi_T\kappa\beta$	—	$\pi_A\beta\omega$	$\pi_G\beta\omega$
Arg	AGA	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$	0	$\pi_T\beta\omega$	$\pi_C\beta\omega$	—	$\pi_G\kappa\beta$
Arg	AGG	0	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$	$\pi_T\beta\omega$	$\pi_C\beta\omega$	$\pi_A\kappa\beta$	—
Val	GTT	0	0	0	0	0	0	0	0	0	0	0	0
Val	GTC	0	0	0	0	0	0	0	0	0	0	0	0
Val	GTA	0	0	0	0	0	0	0	0	0	0	0	0
Val	GTG	0	0	0	0	0	0	0	0	0	0	0	0
Ala	GCT	$\pi_A\kappa\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Ala	GCC	0	$\pi_A\kappa\beta\omega$	0	0	0	0	0	0	0	0	0	0
Ala	GCA	0	0	$\pi_A\kappa\beta\omega$	0	0	0	0	0	0	0	0	0
Ala	GCG	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0	0	0	0	0	0
Asp	GAT	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0	0	0	0	0
Asp	GAC	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0	0	0	0
Glu	GAA	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0	0	0
Glu	GAG	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0	0
Gly	GGT	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0
Gly	GGC	0	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0	0
Gly	GGA	0	0	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$	0
Gly	GGG	0	0	0	0	0	0	0	0	0	0	0	$\pi_A\kappa\beta\omega$

		Val GTT	Val GTC	Val GTA	Val GTG	Ala GCT	Ala GCC	Ala GCA	Ala GCG	Asp GAT	Asp GAC	Glu GAA	Glu GAG
Phe	TTT	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Phe	TTC	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0	0	0
Leu	TTA	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0	0
Leu	TTG	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0
Ser	TCT	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0
Ser	TCC	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0
Ser	TCA	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0
Ser	TCG	0	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0
Tyr	TAT	0	0	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0
Tyr	TAC	0	0	0	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0
Cys	TGT	0	0	0	0	0	0	0	0	0	0	0	0
Cys	TGC	0	0	0	0	0	0	0	0	0	0	0	0
Trp	TGG	0	0	0	0	0	0	0	0	0	0	0	0
Leu	CTT	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Leu	CTC	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0	0	0
Leu	CTA	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0	0
Leu	CTG	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0	0
Pro	CCT	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0	0
Pro	CCC	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0	0
Pro	CCA	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0	0
Pro	CCG	0	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0	0
His	CAT	0	0	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0	0
His	CAC	0	0	0	0	0	0	0	0	0	$\pi_G\beta\omega$	0	0
Gln	CAA	0	0	0	0	0	0	0	0	0	0	$\pi_G\beta\omega$	0
Gln	CAG	0	0	0	0	0	0	0	0	0	0	0	$\pi_G\beta\omega$
Arg	CGT	0	0	0	0	0	0	0	0	0	0	0	0
Arg	CGC	0	0	0	0	0	0	0	0	0	0	0	0
Arg	CGA	0	0	0	0	0	0	0	0	0	0	0	0
Arg	CGG	0	0	0	0	0	0	0	0	0	0	0	0
Ile	ATT	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0	0	0	0	0	0
Ile	ATC	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0	0	0	0	0
Ile	ATA	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0	0	0	0
Met	ATG	0	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0	0	0
Thr	ACT	0	0	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0	0
Thr	ACC	0	0	0	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0	0
Thr	ACA	0	0	0	0	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0	0
Thr	ACG	0	0	0	0	0	0	0	$\pi_G\kappa\beta\omega$	0	0	0	0
Asn	AAT	0	0	0	0	0	0	0	0	$\pi_G\kappa\beta\omega$	0	0	0
Asn	AAC	0	0	0	0	0	0	0	0	0	$\pi_G\kappa\beta\omega$	0	0
Lys	AAA	0	0	0	0	0	0	0	0	0	0	$\pi_G\kappa\beta\omega$	0
Lys	AAG	0	0	0	0	0	0	0	0	0	0	0	$\pi_G\kappa\beta\omega$
Ala	AGT	0	0	0	0	0	0	0	0	0	0	0	0
Ala	AGC	0	0	0	0	0	0	0	0	0	0	0	0
Arg	AGA	0	0	0	0	0	0	0	0	0	0	0	0
Arg	AGG	0	0	0	0	0	0	0	0	0	0	0	0
Val	GTT	—	$\pi_C\kappa\beta$	$\pi_A\beta$	$\pi_G\beta$	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0	0
Val	GTC	$\pi_T\kappa\beta$	—	$\pi_A\beta$	$\pi_G\beta$	0	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$	0	0
Val	GTA	$\pi_T\beta$	$\pi_C\beta$	—	$\pi_G\kappa\beta$	0	0	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$	0
Val	GTG	$\pi_T\beta$	$\pi_C\beta$	$\pi_A\kappa\beta$	—	0	0	0	$\pi_C\kappa\beta\omega$	0	0	0	$\pi_A\beta\omega$
Ala	GCT	$\pi_T\kappa\beta\omega$	0	0	0	—	$\pi_C\kappa\beta$	$\pi_A\beta$	$\pi_G\beta$	$\pi_A\beta\omega$	0	0	0
Ala	GCC	0	$\pi_T\kappa\beta\omega$	0	0	$\pi_T\kappa\beta$	—	$\pi_A\beta$	$\pi_G\beta$	0	$\pi_A\beta\omega$	0	0
Ala	GCA	0	0	$\pi_T\kappa\beta\omega$	0	$\pi_T\beta$	$\pi_C\beta$	—	$\pi_G\kappa\beta$	0	0	$\pi_A\beta\omega$	0
Ala	GCG	0	0	0	$\pi_T\kappa\beta\omega$	$\pi_T\beta$	$\pi_C\beta$	$\pi_A\kappa\beta$	—	0	0	0	$\pi_A\beta\omega$
Asp	GAT	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	0	0	0	—	$\pi_C\kappa\beta$	$\pi_A\beta\omega$	$\pi_G\beta\omega$
Asp	GAC	0	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	0	0	$\pi_T\kappa\beta$	—	$\pi_A\beta\omega$	$\pi_G\beta\omega$
Glu	GAA	0	0	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	0	$\pi_T\beta\omega$	$\pi_C\beta\omega$	—	$\pi_G\kappa\beta$
Glu	GAG	0	0	0	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	$\pi_T\beta\omega$	$\pi_C\beta\omega$	$\pi_A\kappa\beta$	—
Gly	GGT	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$	0	0	0
Gly	GGC	0	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$	0	0
Gly	GGA	0	0	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$	0
Gly	GGG	0	0	0	$\pi_T\beta\omega$	0	0	0	$\pi_C\beta\omega$	0	0	0	$\pi_A\kappa\beta\omega$

		Gly GGT	Gly GGC	Gly GGA	Gly GGG
Phe	TTT	0	0	0	0
Phe	TTC	0	0	0	0
Leu	TTA	0	0	0	0
Leu	TTG	0	0	0	0
Ser	TCT	0	0	0	0
Ser	TCC	0	0	0	0
Ser	TCA	0	0	0	0
Ser	TCG	0	0	0	0
Tyr	TAT	0	0	0	0
Tyr	TAC	0	0	0	0
Cys	TGT	$\pi_G\beta\omega$	0	0	0
Cys	TGC	0	$\pi_G\beta\omega$	0	0
Trp	TGG	0	0	0	$\pi_G\beta\omega$
Leu	CTT	0	0	0	0
Leu	CTC	0	0	0	0
Leu	CTA	0	0	0	0
Leu	CTG	0	0	0	0
Pro	CCT	0	0	0	0
Pro	CCC	0	0	0	0
Pro	CCA	0	0	0	0
Pro	CCG	0	0	0	0
His	CAT	0	0	0	0
His	CAC	0	0	0	0
Gln	CAA	0	0	0	0
Gln	CAG	0	0	0	0
Arg	CGT	$\pi_G\beta\omega$	0	0	0
Arg	CGC	0	$\pi_G\beta\omega$	0	0
Arg	CGA	0	0	$\pi_G\beta\omega$	0
Arg	CGG	0	0	0	$\pi_G\beta\omega$
Ile	ATT	0	0	0	0
Ile	ATC	0	0	0	0
Ile	ATA	0	0	0	0
Met	ATG	0	0	0	0
Thr	ACT	0	0	0	0
Thr	ACC	0	0	0	0
Thr	ACA	0	0	0	0
Thr	ACG	0	0	0	0
Asn	AAT	0	0	0	0
Asn	AAC	0	0	0	0
Lys	AAA	0	0	0	0
Lys	AAG	0	0	0	0
Ala	AGT	$\pi_G\kappa\beta\omega$	0	0	0
Ala	AGC	0	$\pi_G\kappa\beta\omega$	0	0
Arg	AGA	0	0	$\pi_G\kappa\beta\omega$	0
Arg	AGG	0	0	0	$\pi_G\kappa\beta\omega$
Val	GTT	$\pi_G\beta\omega$	0	0	0
Val	GTC	0	$\pi_G\beta\omega$	0	0
Val	GTA	0	0	$\pi_G\beta\omega$	0
Val	GTG	0	0	0	$\pi_G\beta\omega$
Ala	GCT	$\pi_G\beta\omega$	0	0	0
Ala	GCC	0	$\pi_G\beta\omega$	0	0
Ala	GCA	0	0	$\pi_G\beta\omega$	0
Ala	GCG	0	0	0	$\pi_G\beta\omega$
Asp	GAT	$\pi_G\kappa\beta\omega$	0	0	0
Asp	GAC	0	$\pi_G\kappa\beta\omega$	0	0
Glu	GAA	0	0	$\pi_G\kappa\beta\omega$	0
Glu	GAG	0	0	0	$\pi_G\kappa\beta\omega$
Gly	GGT	—	$\pi_C\kappa\beta$	$\pi_A\beta$	$\pi_G\beta$
Gly	GGC	$\pi_T\kappa\beta$	—	$\pi_A\beta$	$\pi_G\beta$
Gly	GGA	$\pi_T\beta$	$\pi_C\beta$	—	$\pi_G\kappa\beta$
Gly	GGG	$\pi_T\beta$	$\pi_C\beta$	$\pi_A\kappa\beta$	—